

03/31/2004

Substitute for form 1449/PTO
(Revised 04/2003)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	To be assigned 10/813,892
Filing Date	Concurrently herewith 3/31/2004
First Named Inventor	Peter N. Comley
Group Art Unit	To be assigned 1725
Examiner Name	To be assigned Rachel Berenidge
Attorney Docket Number	38190/274

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
REB	1	US-5,024,369	06-18-1991	Froes, et al.	
REB	2	US-2002/0079351 A1	06-27-2002	Mishra, et al.	
REB	3	US-2003/0192939 A1	10-16-2003	Mishra	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code - Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	English Language Translation Attached

Examiner
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REB

Date
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02/07/2006

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Examiner Name	To be assigned Rachel Beveridge		
Sheet 2 of 2	Attorney Docket Number	38190/274	
OTHER DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	English Language Translation Attached
REB	4	Superplasticity in Advanced Materials – ICSAM 2003; Pages 1-2; printed January 8, 2004; http://www.tif.net/0-87849-937-7/441.htm	
REB	5	Superplasticity in Advanced Materials – ICSAM 2003; Pages 1- 2; printed January 8, 2004; http://www.tif.net/0-87849-937-7/239.htm	
REB	6	ICSAM 2003; Tuesday Schedule	
REB	7	Justin, Bellamy, et al., Retaining Wall Improvement and Redesign-BR 703	
REB	8	Superplastic Formability Of SP-700; Page 1; printed January 8, 2004; http://www.rti-intl.com/tag/superf.htm	
REB	9	VSMPO; Pages 1-2; printed January 8, 2004; http://www.maks.ru/expo/798/anketa.htm	
REB	10	Materials and Structures Technology Newsletter; Volume 1, Issue 2, McDonnell Douglas Aerospace, May 1996; Pages 1-4; printed January 8, 2004; https://ams2.web.hcinc.com/mast/newsletter/9605.html	
REB	11	Applying Superplastic Forming Principles to Titanium Sheet Metal Forming Problems; Page 1; printed January 8, 2004; http://www.titanium.org/conferences/2003/SPEAKERS.htm	
REB	12	Low Temperature SPF; Page 1; printed January 8, 2004; http://www.tif.net/Low_Temperature_SPF.htm	
REB	13	Diffusion Bonding and Superplastic Behaviour of Titanium Alloys; Abstract of Report on EPSRC ROPA Research Grant K36928; Dr. Norman Ridley; Pages 1-2; printed January 8, 2004; http://www2.umist.ac.uk/material/epsrc/k36928.htm	
REB	14	Superplasticity in Advanced Materials – ICSAM 2003; Pages 1-2; printed January 8, 2004; http://www.tif.net/0-87849-937-7/233.htm	

Examiner Signature		Date Considered	02/06/2006
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CLT01/4639480v1

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First Named Inventor Peter M. Comley
Group Art Unit To be assigned 1725
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Attorney Docket Number 038190/274036

OTHER DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	English Language Translation Attached
REB	1.	H. VAN SWYGENHOVEN, "Plastic Deformation in Metals with Nanosized Grains: Atomistic Simulations and Experiments," Superplasticity in Advanced Materials-ICSAM 2003, Materials Science Forum Vols. 447-448, 2004, pp. 3-10, Trans Tech Publications, Switzerland	
REB	2.	H. MUTO, Y. TAKAHASHI and M. SAKAI, "Grain-Size-Dependent Cooperative Grain-Boundary Sliding in Superplastic Deformation," Superplasticity in Advanced Materials-ICSAM 2003, Materials Science Forum Vols. 447-448, 2004, pp. 97-102, Trans Tech Publications, Switzerland	
REB	3.	WERNER BECK, "Results of In-House Cone-Cup Testing of Low to High Temperature SPF-Alloys," Superplasticity in Advanced Materials-ICSAM 2003, Materials Science Forum Vols. 447-448, 2004, pp. 145-152, Trans Tech Publications, Switzerland	
REB	4.	M.T. PEREZ-PRADO, J.A. DEL VALLE and O.A. RUANO, "Superplastic Behavior of a Fine Grained AZ61 Alloy Processed by Large Strain Hot Rolling," Superplasticity in Advanced Materials-ICSAM 2003, Materials Science Forum Vols. 447-448, 2004, pp. 221-226, Trans Tech Publications, Switzerland	
REB	5.	PETER N. COMLEY, "Lowering the Heat - The Development of Reduced SPF Temperature Titanium Alloys for Aircraft Production," Superplasticity in Advanced Materials-ICSAM 2003, Materials Science Forum Vols. 447-448, 2004, pp. 233-238, Trans Tech Publications, Switzerland	
REB	6.	N. MIYANO, H. IWASA, K. ISONISHI, S. TANAKA, S. SUGIYAMA and K. AMEYAMA, "Application of Pseudo-Superplasticity to Produce TiN/Ti ₃ Si ₂ and TiC/Ti ₃ Si ₂ Nano Grain Composites for Micro Molding," Superplasticity in Advanced Materials-ICSAM 2003, Materials Science Forum Vols. 447-448, 2004, pp. 311-316, Trans Tech Publications, Switzerland	
REB	7.	CHENG XU, MINORU FURUKAWA, ZENJI HORITA and TERENCE G. LANGDON, "Producing Superplastic Ultrafine-Grained Aluminum Alloys through Severe Plastic Deformation," Superplasticity in Advanced Materials-ICSAM 2003, Materials Science Forum Vols. 447-448, 2004, pp. 403-410, Trans Tech Publications, Switzerland	
REB	8.	R.Z. VALIEV, R.K. ISLAMGALIEV and N.F. YUNUSOVA, "Microstructural Aspects in Superplasticity of Ultrafine-Grained SPD Alloys," Superplasticity in Advanced Materials-ICSAM 2003, Materials Science Forum Vols. 447-448, 2004, pp. 411-416, Trans Tech Publications, Switzerland	
REB	9.	F. MUSIN, R. KAJBYSHEV, Y. MOTOHASHI and G. ITOH, "Superplastic Behaviour and Microstructure Evolution in a Commercial Ultra-Fine Grained Al-Mg-Sc Alloy," Superplasticity in Advanced Materials-ICSAM 2003, Materials Science Forum Vols. 447-448, 2004, pp. 417-422, Trans Tech Publications, Switzerland	
REB	10.	P.J. APPS, C.P. HEASON and P.B. PRANGNELL, "Ultrafine-Grain Structures Produced by Severe Deformation Processing," Superplasticity in Advanced Materials-ICSAM 2003, Materials Science Forum Vols. 447-448, 2004, pp. 423-428, Trans Tech Publications, Switzerland	
REB	11.	G.A. SALISHCHEV, O.R. VALIAKHMETOV, R.M. GALEYEV and F.H. FROES, "Characterization of Submicron-Grained Ti-6Al-4V Sheets with Enhanced Superplastic Properties," Superplasticity in Advanced Materials-ICSAM 2003, Materials Science Forum Vols. 447-448, 2004, pp. 441-446, Trans Tech Publications, Switzerland	

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04/21/2004

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Application Number	10/813,892
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First Named Inventor	Peter M. Comley
Group Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	038190/274036

OTHER DOCUMENTS

REB	12.	G.A. SALISHCHEV, S.V. ZHEREBTSOV, O.R. VALIAKHMETOV, R.M. GALEYEV and S.YU. MIRONOV, "Development of Submicrocrystalline Titanium Alloys Using "abc" Isothermal Forging," Superplasticity in Advanced Materials-ICSAM 2003, Materials Science Forum Vols. 447-448, 2004, pp. 459-464, Trans Tech Publications, Switzerland	
REB	13.	F. MUSIN, R. KAIBYSHEV, Y. MOTOHASHI and G. ITOH, "Achievement of Low Temperature Superplasticity in a Commercial Aluminum Alloy Processed by Equal-Channel Angular Extrusion," Superplasticity in Advanced Materials-ICSAM 2003, Materials Science Forum Vols. 447-448, 2004, pp. 465-470, Trans Tech Publications, Switzerland	
	14.	TSUTOMU TANAKA, HIROYUKI WATANABE, MASAHIDE KOHZU and KENJI HIGASHI, "Microstructure and Superplastic Properties at Room Temperature in Zn-22Al Alloy after Equal-Channel-Angular Extrusion," Superplasticity in Advanced Materials-ICSAM 2003, Materials Science Forum Vols. 447-448, 2004, pp. 489-494, Trans Tech Publications, Switzerland	
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REB	16.	MURRAY MAHONEY, A.J. BARNES, W.H. BINGLE and C. FULLER, "Superplastic Forming of 7475 Al Sheet after Friction Stir Processing (FSP)," Superplasticity in Advanced Materials-ICSAM 2003, Materials Science Forum Vols. 447-448, 2004, pp. 505-512, Trans Tech Publications, Switzerland	

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